Joint Requirements Oversight Council
Capability Recommendations Brief
DRAFT
Dynamic Joint Intelligence Surveillance and Reconnaissance and lue Intelligence Surveillance and Reconnaissance Database

UNCLASSIFIED

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Joint Forces Command/J28A

Why Are We Here?

U.S. Joint Forces Command

Millennium Challenge 2002

Doctrine, Organization, Training, Material, Leadership and Education, Personnel, and Facilities

RECOMMENDATIONS

- **Seek Joint Requirements Oversight Council (JROC) endorsement of capability recommendations**
  - **Dynamic Joint Intelligence, Surveillance and Reconnaissance (JISR)**
  - **Blue Intelligence, Surveillance and Reconnaissance Database (Blue ISR)**

Agenda

- Bottom line up front
- Dynamic Joint Intelligence, Surveillance and Reconnaissance (JISR), and Blue Intelligence, Surveillance and Reconnaissance Database JROC funding issues
- Millennium Challenge 2002 Doctrine, Organization, Training, Material, Leadership and Education, Personnel, and Facilities findings
  - Dynamic Joint Intelligence, Surveillance, and Reconnaissance
  - Blue Intelligence, Surveillance and Reconnaissance Database
- Summary
- Points of Contact

Bottom Line Up Front - Moving Experimental Concepts & Capabilities Forward

U.S. Joint Forces Command

Provide today's Joint Force with the decision superiority necessary to enable rapid and decisive operations

Millennium Challenge-02 Joint Warfighting Concepts that enable transformation

Joint Force Command & Control Objective Capability
Collaborative Information Environment
ic Joint Intelligence, Surveillance, and Reconnaissance
telligence, Surveillance, and Reconnaissance Database
Operational Net Assessment

Recommended Joint Requirements Oversight Council Decisions

U.S. Joint Forces Command

- **Dynamic Joint Intelligence, Surveillance and Reconnaissance (Dynamic JISR)**
  - **Endorse FY03 operational concept development execution of $270K provided by Joint Forces Command**
  - **Endorse Doctrine, Training, Material, and Leadership and Education recommendations of $9.775M (FY04-09) for execution**
  - **Endorse Joint Forces Command's request that the Intelligence Community fund $7.9M (FY04-09) for Joint Intelligence, Surveillance and Reconnaissance Material solutions to documented operational/exercise/experiment requirements**

Recommended Joint Requirements Oversight Council Decisions

- **Blue Intelligence, Surveillance and Reconnaissance Database (Blue ISR)**
  - **Endorse Material, and Leadership and Education recommendations for FY04-09 execution**
  - **Endorse the concept of the General Defense Intelligence Program (GDIP) funding $3.79M (FY04-09) for Blue Intelligence, Surveillance and Reconnaissance Database developing and fielding**

- ***Total shortfall: $1.6M (FY04-09) for Dynamic***

Staffing Summary

- **Dynamic Joint Intelligence, Surveillance, and Reconnaissance, and Blue Intelligence, Surveillance, and Reconnaissance Database**
  - **Staffing complete on "xx" November 2002**
  - **All comments resolved**
  - **All requirements validated**
  - **Capability recommendations supported**

Dynamic Joint Intelligence, Surveillance and Reconnaissance Concept

U.S. Joint Forces Command

- **An overarching strategy that combines intelligence, surveillance and reconnaissance collection management with the transformational concept of dynamic joint intelligence, surveillance and reconnaissance battle management**
  - **Provides real-time visualization and status of all intelligence, surveillance and reconnaissance assets**
  - **Enhances cross-domain (imagery intelligence, signals intelligence, etc.) cueing and fusion, builds a complete common relevant operational picture**
  - **Synchronizes strategic, operational and tactical collection strategies**
  - **Provides agility and flexibility; enhances dynamic tasking and positioning of all intelligence assets within the battlespace through application of collaborative tools as *operations dictate***

- **Effectively integrates the collection dynamics of space, time, and availability into operational planning and execution**
  - **Drives development of the intelligence component of the collaborative information environment**
  - **Provides critical input to the Operational Net Assessment and the Joint Force Commander**
  - **Ends intelligence domain, service-centric, agency-oriented, and combatant command-unique approaches to collection management and battle management integration/execution**
- **Grounded in Operation ENDURING FREEDOM after action reviews, and Unified Vision 2001, Millennium Challenge 2000, and Millennium Challenge 2002 lessons learned**

- **Develop an intelligence, surveillance and reconnaissance battle management and collection management overarching operational concept and architecture to guide combatant commands, Joint Task Forces, and components in near-term joint intelligence, surveillance and reconnaissance and operations synchronization and integration**

Office of Primary Responsibility: Joint Forces Command J2

supported by Joint Staff J2/J3, Intelligence, Surveillance and Reconnaissance Joint Warfighting Capability Assessment team,

Services, and Agencies

Implementation: FY03-04

- **Conduct: 1) analysis of doctrine related to ISR battle management and collection management to determine if shortfalls exist; and 2) analysis to determine whether joint doctrine or Joint Tactics, Techniques, and Procedures should address networked DoD Distributed Common Ground/Surface System family-of-systems procedural shortfalls.**

Office of Primary Responsibility: Joint Staff J7
supported by
Joint Forces Command J2/J7/J9
Implementation: FY04

- **Develop multi-Service tactics, techniques, and procedures to guide U-2 and Global Hawk UAV direct downlink of payload data and sensor control handoff procedures with multi-Service processing and exploitation nodes.**

Office of Primary Responsibility: Service Doctrine Commands,
through the Air Land Sea Applications Center
Implementation: FY03

- **Develop and update an overarching joint ISR battle management and collection management training plan for Combatant Commanders, Joint Task Forces, and Components. Training should be introduced and integrated via exercises tailored to the appropriate joint context facilitated by the Joint National Training Center and Joint Management Office**

Office of Primary Responsibility: Joint Staff J7 supported by Joint Staff J2/J3/J5, Joint Forces Command J7, Combatant Commands, Services, and Agencies

Implementation: FY04-05 initial development;

- **Ensure direct downlink and sensor handoff training requirements are incorporated into the Joint Mission Essential Tasks and Joint Tactical Tasks for inclusion in joint training plans, and appropriate regional combatant command training exercises**

  Office of Primary Responsibility: Joint Forces Command J7 supported by Combatant Commands and Components for JMET and JTT inclusion

  Implementation: FY04 initial development; FY05-09 material currency and update

- **Conduct direct downlink and sensor hand-off training in service venues, as appropriate**

  Office of Primary Responsibility: Services

  Implementation: FY04-09

- **Develop/refine a comprehensive national, combatant command, and component intelligence, surveillance and reconnaissance battle management and collection management visualization and optimization capability and synchronization matrix application capability. Ensure functionality requirements are accurately addressed in the Intelligence Community Multi-Intelligence Acquisition Program Operational Requirements Document joint program of record**

  Office of Primary Responsibility: Joint Forces Command J2 supported by

  Joint Staff J2/J3, Intelligence, Surveillance and Reconnaissance Joint

  Warfighting Capability Assessment team, Services, and agencies for

  functionality requirements identification

  Office of Primary Responsibility: National Reconnaissance Office

  Intelligence Community Multi-Intelligence Acquisition

- **Develop leadership education materiels to facilitate understanding of Joint intelligence, surveillance and reconnaissance battle management and collection management capabilities, doctrine, operational concepts and processes:**
  - **Senior Leadership - incorporate materiel into the CAPSTONE curriculum and Joint Operations module presented to all flag/general officer selects**
  - **Mid-Grade Officers - incorporate materiel into the Joint Professional Military Education Phase I and II curricula**
  - **Entry Level Schools - direct a comprehensive study to determine what changes are required to intelligence, operations, and other appropriate service schools for the inclusion of introductory courses in the study of dynamic Joint Intelligence, Surveillance, and Reconnaissance**

Office of Primary Responsibility: Joint Staff J7 supported by JS J2/J3/J5, Joint

JISR DOTMLPF Change Recommendations

	FY03	FY04	FY05	FY06	FY07	FY08/09	TOTAL
Doctrine:	$270,000(1)	$240,000					$510,000
Organization:	N/A						
Training:	N/A	$270,000	$75,000	$75,000	$75,000	$150,000	$645,000
Materiel:	N/A	$3.96M	$1.46M	$1.19M	$490,000	$800,000	$7.9M(2)
Ldr Education:	N/A	$360,000	$180,000	$45,000	$45,000	$90,000	$720,000
Personnel:	N/A						
Facilities:	N/A						

Dynamic Joint Intelligence, Surveillance and Reconnaissance Synchronization Profile

U.S. Joint Forces Command

	FY03	FY04	FY05	FY06/07	FY08/09
D	JISR BM/CM Ops Concept Dvl →	JISR BM/CM Jnt Doctr Analysis DoD DCGS Jnt Doctr Analysis		Priority 1 Priority 2 Priority 3	
	DDL/Sensor Handoff TTP Development →				
O	***No Recommendations Noted***				
T		JISR BM/CM Trng Plan Development →		Maintain Currency →	
		DDL/Sensor Handoff Trng Plan Development →			
M	Sustain	ISR BM/CM Integrate Func Rqmnts to IC-MAP →	Test and Field →	→	→
		ISR Synch Matrix Integrate Func Rqmnts to IC-MAP →	Test and Field →	→	→
L	Sustain	JISR BM/CM Senior Ldr Aware Plan Dvl →		Maintain Currency →	→
		JISR BM/CM Mid-Grade to JPME I and II →		Maintain Currency →	→
		JISR BM/CM Entry Lvl School Study			
P	***No Recommendations Noted***				
F	***No Recommendations Noted***				

Blue Intelligence, Surveillance and Reconnaissance Database Concept

- **An on-line, ubiquitous (synchronized across the Global Information Grid), Blue intelligence, surveillance and reconnaissance database ensures that optimum cross-domain intelligence, and Blue platform and sensor integration occurs**
  - **Provides the warfighter with Blue parametric accuracy**
  - **Provides "one-stop-shopping" for intelligence, surveillance and reconnaissance platform-to-sensor-to-target synchronization**
  - **Contributes significantly to the optimum exploitation of limited intelligence, surveillance and reconnaissance assets throughout the battlespace**
  - **Joint Worldwide Intelligence Communications System and Secret Internet Protocol Network connectivity**
- **Founded upon real-world operational lessons learned, and exercise events to include Millennium Challenge 2002**

Blue Intelligence, Surveillance and Reconnaissance Database Concept

U.S. Joint Forces Command

- **Dual-path approach: operations and experimentation**
- **Objective: The blue intelligence, surveillance and reconnaissance database *operational utility* provides warfighters an on-line information resource containing current sensor and platform/parametrics of all U.S. information-gathering assets enabling timely operational planning, collection, and execution of effects based operations**
- **The blue intelligence, surveillance and reconnaissance database, containing both current and future sensor and platform parametrics, provides an *emulator capability* for *joint and service experimentation* venues, *modeling and simulation*, and *concept development* (time-driven database capability current thru 2015)**

Blue Intelligence, Surveillance and Reconnaissance Database Capability Recommendations - MATERIAL

U.S. Joint Forces Command

- **Establish an Intelligence Function Code for the development and maintenance of a Blue Intelligence, Surveillance and Reconnaissance Database**
- **Assign the Intelligence Function Code to Joint Forces Intelligence Command as primary producer under the Department of Defense Intelligence Production Program**
- **Direct intelligence, surveillance and reconnaissance asset program managers to update applicable data in the Blue Intelligence, Surveillance and Reconnaissance Database for operational use**

Office of Primary Responsibility: Director Military Intelligence (General Defense Intelligence Program

- **Update, maintain and provide Blue Intelligence, Surveillance and Reconnaissance Database access to warfighters (planners and executors)**

  Office of Primary Responsibility: Joint Forces Command's Joint Forces Intelligence Command

  Implementation: FY05-09 sustain and improve

- **Endorse Blue Intelligence, Surveillance and Reconnaissance Database as the Department of Defense's intelligence, surveillance and reconnaissance operational warfighting planning and execution/experimentation tool, and primary intelligence, surveillance and reconnaissance digital information resource**

  Office of Primary Responsibility: Joint Requirements

- **Request Assistant Secretary Defense for Command, Control Computers Intelligence, solicit the Intelligence Community Chief Information Officer, supported by the intelligence community of collaboration, to *develop, provide, and update various 2015 to 2020 notional "Intelligence Community" Intelligence, Surveillance and Reconnaissance information gathering capabilities (end-to-end) and parametric data,* for use in robust futures concept development, joint/service experimentation, and modeling and simulation**

Office of Primary Responsibility: Assistant Secretary of Defense for Command, Control, Computers, and Intelligence in coordination with Intelligence Community Chief Information Officer, Joint Staff J2, Defense Intelligence Agency, and the Intelligence Community

- ***Develop, provide, and update appropriate 2015 to 2020 notional "Services" Intelligence, Surveillance and Reconnaissance and information gathering capabilities (end-to-end) and parametric data* for use in robust futures concept development, joint and service experimentation, and modeling and simulation activities**

Office of Primary Responsibility: Services, in coordination with Joint Staff J2/J3/J6, Joint Forces Command J9/J2.

Implementation: FY03-09

Blue Intelligence, Surveillance and Reconnaissance Database Funding Profile

U.S. Joint Forces Command

Blue ISR DOTMLPF Change Recommendation

	FY03	FY04	FY05	FY06	FY07	FY08/09	TOTAL
Doctrine:	N/A						
Organization:	N/A						
Training:	N/A						
Materiel:	N/A	**$640,000**	**$646,000**	**$579,000**	**$600,000**		**$1.33M**
	$3.795M						
Ldr Education:	N/A						
Personnel:	N/A						
Facilities:	N/A						
FY Total	**N/A**	**$640,000**	**$646,000**	**$579,000**	**$600,000**		**$1.33M**
	$3.795M(1)						

Note: (1) Requesting General Defense Intelligence Program (GDIP)

Blue Intelligence, Surveillance and Reconnaissance Database Synchronization Profile

U.S. Joint Forces Command

	FY03	FY04	FY05	FY06/07	FY08/09
D	No Recommendation Noted				
O	No Recommendation Noted				
T	No Recommendation Noted				
M	Establish Intelligence Functional Code (IFC) – Joint Forces Command Assign Intel Func Code to Joint Forces Intelligence Command IC and Services assign SMEs to Update Database Joint Forces Command Joint Forces Intelligence Command Update and maintain				
L	Intelligence Community and Services develop, provide and update ISR capabilities for concept development, Joint / Service Experimentation, and modeling and simulation				
P	No Recommendation Noted				
F	No Recommendation Noted				

Priority 1

Priority 2

Summary

- **Three intelligence DOTMLPF packages going forward to the JROC in November 2002. JFCOM J28 has equities in two:**
  - Dynamic Joint Intelligence, Surveillance and Reconnaissance (JISR)
  - Blue Intelligence, Surveillance and Reconnaissance Database (Blue ISR)
- **Joint Forces Command J2/9 spending $270K/FY03 on JISR Doctrine findings**
- **As packages go forward, *JISR and Blue ISR* will continue to be tested through the USJFCOM exercise and experimentation**

Points of Contact

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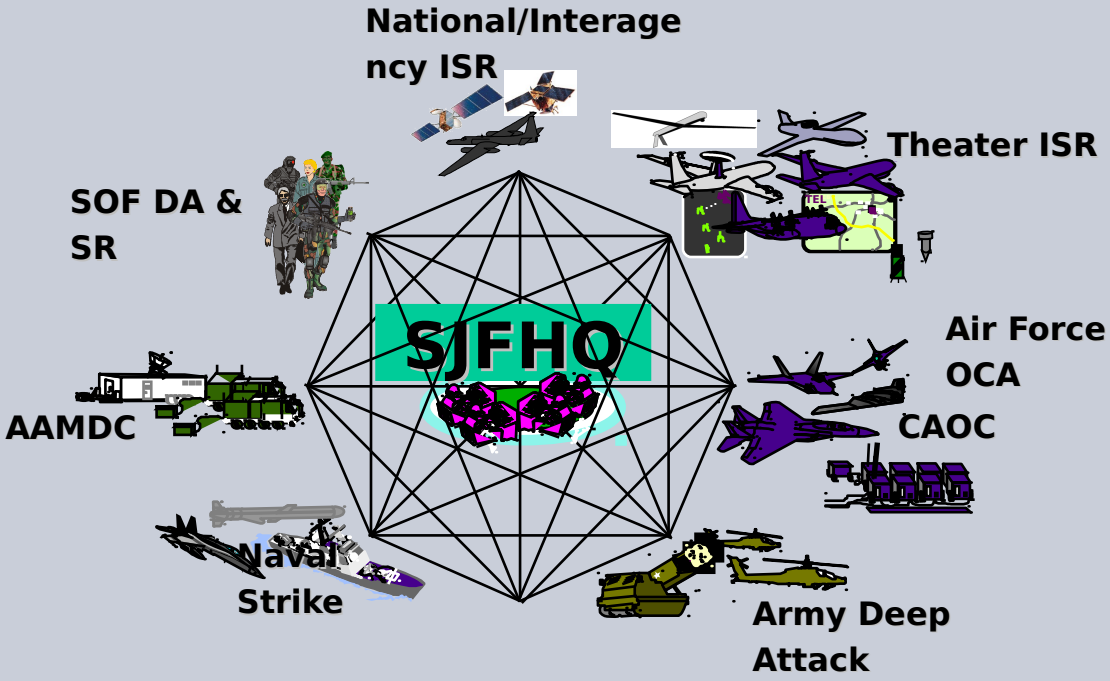
Back-Ups

Dynamic Joint Intelligence, Surveillance and Reconnaissance Concept Visualization

U.S. Joint Forces Command



- **Rapid and responsive *'Mission Focused ISR'* is essential to future joint military operations**

- **Synergy of three critical components:**
  - ***OPS***
  - ***ISR***
  - ***C2***

Joint Dynamic ISR Management

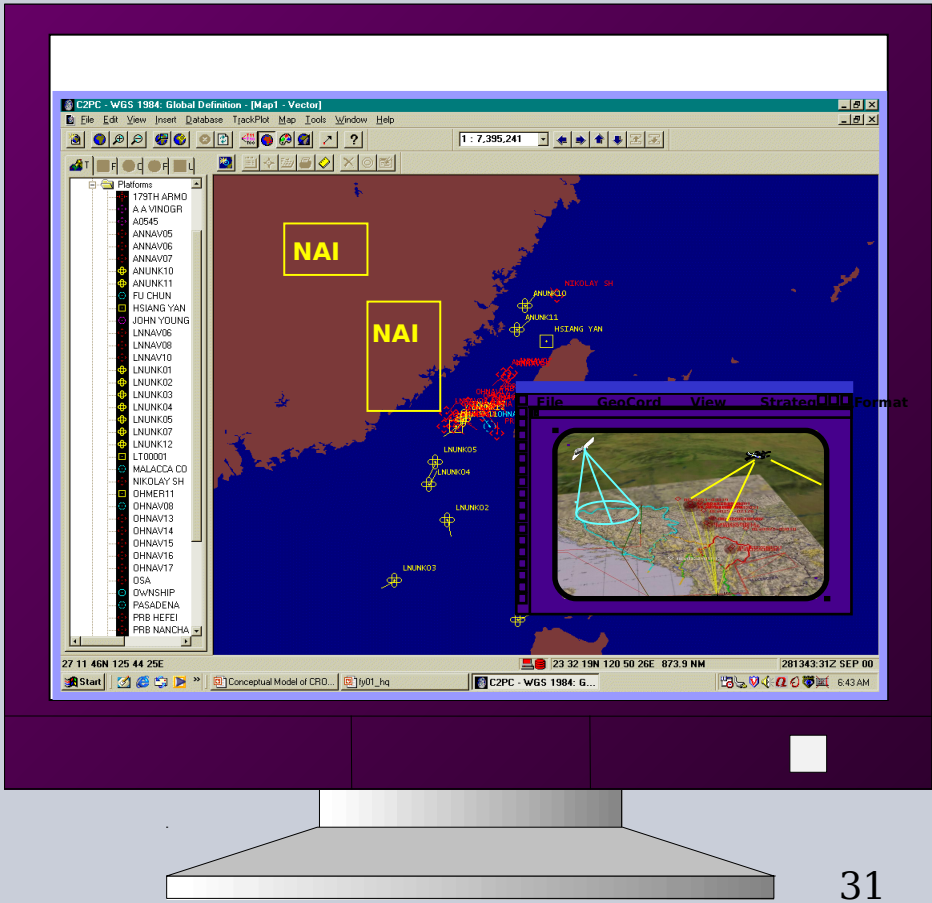
- ***Linked Collaborative ISR Planning and Execution***
- ***Visualization, Optimization, and Synchronization Matrix***
- **Collaboration Network for ISR C2 (C2I**

Dynamic Joint Intelligence, Surveillance and Reconnaissance Concept Visualization

U.S. Joint Forces Command

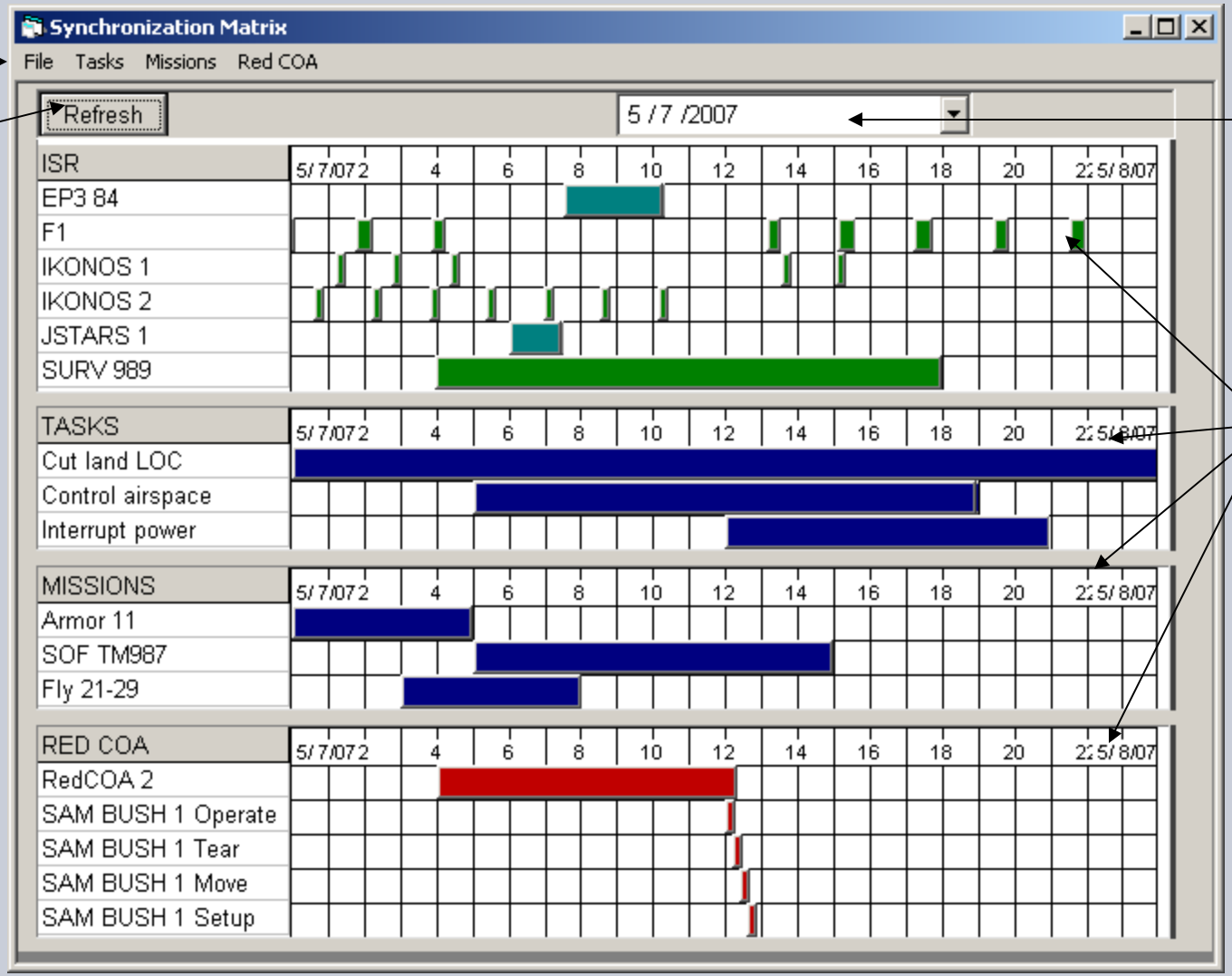
- Operations Chat
- ISR Manager Chat
- Daily "All'' Collection Coverage/Missions
- Daily Predictive Red
- Effects Based Tasking/Collections Deck

- Joint Intelligence Preparation of the Battlespace (JIPB)
- Threat Template and Named Areas of Interests (NAIs)
- ISR C2I Chat Room
- Theater Intel Picture
- Satellite Toolkit



Intelligence, Surveillance and Reconnaissance Synchronization Matrix

U.S. Joint Forces Command



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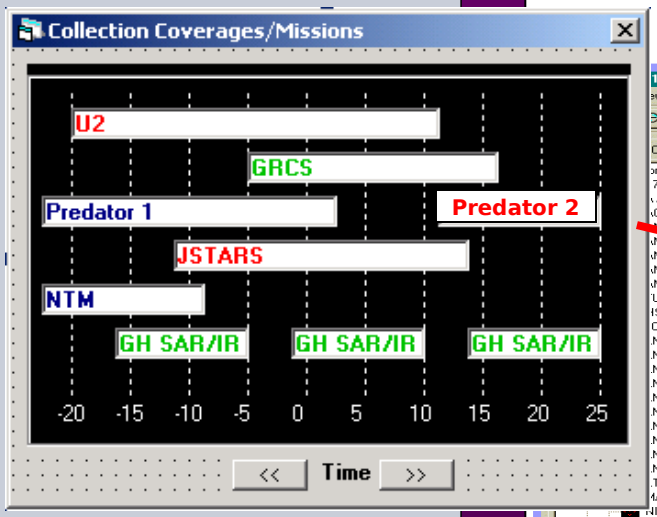
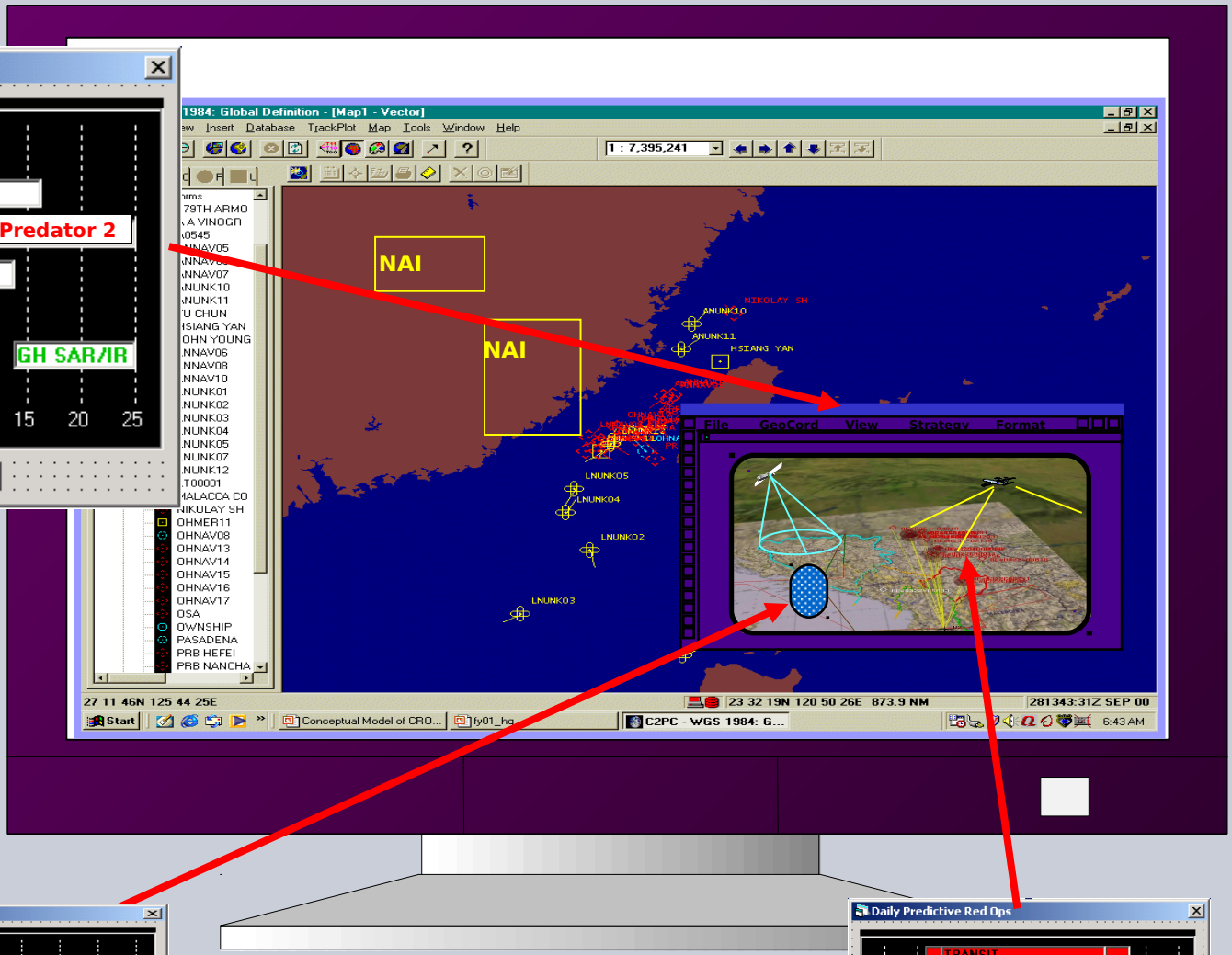
Date selector

ISR, Task, Mission & Red COA & Red Profile Timelines

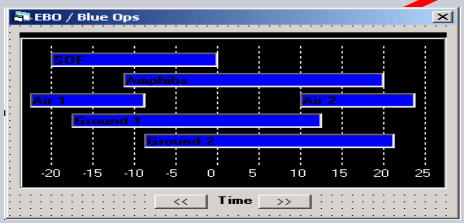
"All" Intelligence, Surveillance and Reconnaissance Asset Visualization

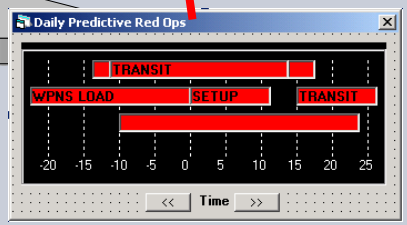
U.S. Joint Forces Command





National thru Tactical





Blue Intelligence, Surveillance and Reconnaissance Database

U.S. Joint Forces Command

SCI

Joint Tactical Exploitation Of National Systems (JTENS)

SCI

SECRET

Defense Airborne Intelligence Surveillance And Reconnaissance Program (DAISRP)

Plan

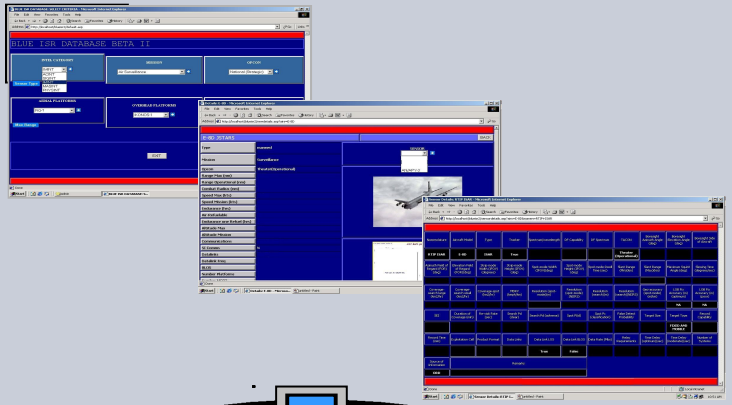
SECRET

Open Source

- All INTs
- Asset/Platform
- Sensor(s) Type
- Datalinks
- Exploitation Nodes
- Employment Options
- Connectivity Options

JWICS

SCI Server



Collateral Server

SIPRNET

Operational Warfighting, Future Concept Development, Experimenta